

State of New Hampshire
DEPARTMENT OF ENVIRONMENTAL SERVICES

6 Hazen Drive, P.O. Box 95, Concord, NH 03302-0095
(603) 271-3406 FAX (603) 271-7894



Mr. Robert Beaurivage
Manchester Water Works
281 Lincoln Street
Manchester, NH 03103

June 13, 2002
Letter of Deficiency
DAM #013.03
DAM #013.04

RE: Clark Pond West Dam, Auburn

Dear Mr. Beaurivage:

The Department of Environmental Services, Dam Bureau (DES) consistently strives to enhance the safety of dams in New Hampshire through its dam safety program. One of the many instruments that plays a part in reaching this goal is our inspection program. DES is forwarding this correspondence to you to advise you that in accordance with RSA 482:12 and Env-Wr 502.02, an inspection of the subject dams were conducted on November 13, 2001. During this visual inspections and/or file reviews, the following deficiencies were observed:

DAM #013.03

There is brush along the entire upstream face of the dam;

2. The crest of the dam lacks a hearty vegetative cover;

There appears to be erosion on the upstream face of the dam, however, due to the brush cover it was difficult to check these areas; and

4. There is no operation and maintenance plan (O&M) on file with the DES.

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

September 30, 2002:

1. Cut the brush along the entire upstream face of the dam and within 5 feet of the dam;
2. Establish a hearty vegetative cover on the top of the dam;
3. Prepare and submit to the DES a written O&M plan for the Clark Pond East and West dam. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel. Refer to the enclosed guidelines; and

Continuously Monitor:

4. The erosion along the upstream face of the dam. You may need to add riprap in the future to protect it from further erosion.

DAM #013.04

There was seepage at the downstream toe to the right side approximately 50 feet from the right spillway abutment;

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2. There is light brush along the entire upstream and downstream face of the dam. Many trees and brush have been cut since the last inspection in 1995. The downstream face is in much better condition than it was 7 years ago;
3. The earth embankments are not flush with the concrete spillway abutments; and
4. There is no O&M plan on file with the DES

DES believes that the above deficiencies can be corrected by performing the following items by the indicated schedule:

September 30, 2002:

1. Cut the brush along the entire upstream and downstream faces of the dam within 5 feet of the downstream toe;
2. Fill the low areas of the earth embankment near the spillway abutments such that they are flush with the concrete;
3. Prepare and submit to the DES a written O&M plan. The plan should describe the control of impoundment levels, monitoring and maintenance procedures, and identify emergency contact personnel; and

Continuously Monitor:

4. The seepage at the downstream toe of the right side approximately 50 feet from the right spillway abutment.

DES is requesting that you complete and submit the attached "Intent to Complete Repairs" form, within 30 days of receipt of this letter, that will provide for correction of the identified deficiencies by the date(s) indicated above. If you believe changes to the items of work or dates are necessary, please make the changes directly on the form and provide a brief explanation. We have enclosed a self addressed stamped envelope for you to return this form.

Our intent in sending you this correspondence is to make you aware of items that DES believes warrant your attention to insure the continued safe operation of your dam. It is our hope that, through the submittal of the attached form and a commitment to keeping a well-maintained dam, you will voluntarily comply with the requested items of work. If we do not receive the intent form or a similarly adequate written reply, we will assume that you are in agreement with our findings and recommendations and DES will carry out follow-up inspections accordingly.

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If you have any questions or comments regarding this Letter of Deficiency or would like to be present at future inspections, please contact me at 271-3406, or write to the Water Division at the address listed on the top of the previous page.

Sincerely,

COPY

Amy C. Clark
Dam Safety Engineer

Attachments Guideline for an O&M plan, DB8, DB13

cc: Gretchen Rule ✓

Town of Auburn

Certified # 1099 3410 0002 9773 8440

ACC/was/h:/safety/wendy/lod/013-04lod.doc